

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	04/27/2017 04/27/2017	Sterling York

LM Start		Rating **	A	Issue No.	<b>5</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0817_01_f_2014_5				
Comment Code					
Inspector Comment					
LMA regularly attends flood fight training put on by RD784 and DWR .					

No Photos

LM Start		Rating **	A	Issue No.	<b>9</b>
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0817_01_s_2013_9				
Comment Code					
Inspector Comment					
The manuals are located at Tom Englers office and at Joe Conant's office.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	04/27/2017 04/27/2017	Sterling York

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				o
					o
DWR ID	DWR_RD0817_01_s_2013_10				
Comment Code					
Inspector Comment					
LMA stated that they have approx. 2500 sandbags and related flood fight material located in a mini storage in downtown Wheatland.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	27
LM End	3.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984699 °	39.019645 °
				-121.506116 °	-121.454091 °
DWR ID	DWR_RD0817_01_s_2017_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation needs to be maintained, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD0817\_12\_27\_20170428\_00017.jpg



View looking downstream of the annual vegetation that needs to be maintained, Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	04/27/2017 04/27/2017	Sterling York

LM Start	0.00	Rating **	M	Issue No.	26
LM End	3.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984700 °	39.019645 °
				-121.506116 °	-121.454091 °
DWR ID	DWR_RD0817_01_s_2017_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation needs to be maintained, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD0817\_12\_26\_20170428\_00018.jpg



View looking downstream of the annual vegetation that needs to be maintained, Spring 2017.

LM Start	0.29	Rating **	M	Issue No.	28
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.987813 °	38.987813 °
				-121.502963 °	-121.502963 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42685 DS_ID:18985 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: 48-inch corrugated metal drainpipe through levee, 23.3 feet below the crown. Flap gate on waterward end. FS Date: 4/16/2013					

Photo 1 of 3 : UCIP\_SP\_2017\_42685\_19865.jpg



WS- pipe, flap gate in dense vegetation on berm

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	04/27/2017 04/27/2017	Sterling York

LM Start	0.29	Rating **	M	Issue No.	28 (cont)	
LM End	0.29	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.987813 °	38.987813 °	
				-121.502963 °	-121.502963 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42685 DS_ID:18985 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: 48-inch corrugated metal drainpipe through levee, 23.3 feet below the crown. Flap gate on waterward end. FS Date: 4/16/2013						

Photo 2 of 3 : UCIP\_SP\_2017\_42685\_19864.jpg



WS- CM pipe and flap gate

LM Start	<b>0.29</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>0.29</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : UCIP\_SP\_2017\_42685\_19863.jpg



WS- dense vegetation on WS of the levee

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	04/27/2017 04/27/2017	Sterling York

LM Start	<b>1.34</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>1.34</b>	Issue Type +	Ma	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.997961 °	38.997961 °	
			-121.488455 °	-121.488455 °	
DWR ID					

Comment Code

Inspector Comment

FS\_ID:41153  
DS\_ID:18987  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Damaged slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 18-inch corrugated metal drainpipe through levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962.  
FS Date: 4/16/2013

LM Start	<b>1.34</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>1.34</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_41153\_19882.jpg



WS- overview of WS area

Photo 2 of 3 : UCIP\_SP\_2017\_41153\_19881.jpg



WS- closer look at damaged slide gate on WS

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	04/27/2017 04/27/2017	Sterling York

LM Start	1.34	Rating **	M	Issue No.	36 (cont)
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.997961 °	38.997961 °
				-121.488455 °	-121.488455 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:41153  
DS\_ID:18987  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Damaged slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 18-inch corrugated metal drainpipe through levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962.  
FS Date: 4/16/2013

Photo 3 of 3 : UCIP\_SP\_2017\_41153\_19884.jpg



LS- CMP on toe of the levee.

LM Start	1.62	Rating **	M	Issue No.	37
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.001340 °	39.001340 °
				-121.485740 °	-121.485740 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:41157  
DS\_ID:18988  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: A buried slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 18-inch corrugated metal drainpipe through the levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962.  
FS Date: 4/16/2013

Photo 1 of 3 : UCIP\_SP\_2017\_41157\_19892.jpg



WS- overview of WS berm

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	04/27/2017 04/27/2017	Sterling York

LM Start	1.62	Rating **	M	Issue No.	37 (cont)
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.001340 °	39.001340 °
				-121.485740 °	-121.485740 °
DWR ID					

Comment Code

Inspector Comment

FS\_ID:41157  
DS\_ID:18988  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: A buried slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes.  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 18-inch corrugated metal drainpipe through the levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962.  
FS Date: 4/16/2013

LM Start	<b>1.62</b>	Rating **	M	Issue No.	<b>37 (cont)</b>
LM End	<b>1.62</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_41157\_19891.jpg



WS- slide gate

Photo 3 of 3 : UCIP\_SP\_2017\_41157\_19890.jpg



WS- buried slide gate

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	04/27/2017 04/27/2017	Sterling York

LM Start	2.96	Rating **	M	Issue No.	47
LM End	2.96	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.012552 °	39.012552 °
				-121.466538 °	-121.466538 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43946 DS_ID:18992 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flapgate in closed position, but blocked from operation on WS toe. Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 13.7-feet below the crown. Flap gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 3/26/2015					

Photo 1 of 3 : UCIP\_SP\_2017\_43946\_73422.jpg



Pipe and flapgate visible on WS toe.

LM Start	<b>2.96</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>2.96</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_43946\_73421.jpg



Pipe and flapgate visible on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017**

**Reclamation District No. 0817 Carlin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	04/27/2017 04/27/2017	Sterling York

LM Start	2.96	Rating **	M	Issue No.	47 (cont)
LM End	2.96	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.012552 °	39.012552 °
				-121.466538 °	-121.466538 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:43946 DS_ID:18992 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flapgate in closed position, but blocked from operation on WS toe. Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 13.7-feet below the crown. Flap gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 3/26/2015					

Photo 3 of 3 : UCIP\_SP\_2017\_43946\_73420.jpg



LS of pipe buried but alignment would place LS outlet just left of telephone pole on LS toe.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	04/27/2017 04/27/2017	Sterling York

LM Start	0.03	Rating **	M	Issue No.	14
LM End	3.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984355 °	38.993400 °
				-121.505750 °	-121.437366 °
DWR ID	DWR_RD0817_02_f_2016_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual grass needs to be maintained, Spring2017.					

Photo 1 of 1 : SP\_2017\_RD0817\_13\_14\_20170428\_00022.jpg



View looking upstream of the annual vegetation that needs to be maintained, Spring 2017.

LM Start	0.03	Rating **	M	Issue No.	13
LM End	3.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984354 °	38.993400 °
				-121.505749 °	-121.437366 °
DWR ID	DWR_RD0817_02_f_2016_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual grass needs to be maintained, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD0817\_13\_13\_20170428\_00021.jpg



View looking upstream of the annual vegetation that needs to be maintained, Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	04/27/2017 04/27/2017	Sterling York

LM Start	1.47	Rating **	M	Issue No.	15
LM End	1.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.986563 °	38.986563 °
				-121.479509 °	-121.479509 °
DWR ID	DWR_RD0817_02_f_2016_15				
Comment Code					
Inspector Comment					
Sink hole were old stump was needs to be backfilled and compacted. Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD0817\_13\_15\_20170316\_00007.jpg



View of a sink hole were old stump was. This needs to be backfilled and compacted. Fall 2016.

LM Start	3.63	Rating **	A/W	Issue No.	17
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.992774 °	38.992774 °
				-121.441323 °	-121.441323 °
DWR ID	DWR_RD0817_02_f_2016_17				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	0.25	Rating **	M	Issue No.	11
LM End	1.56	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.987584 °	39.000521 °
				-121.506609 °	-121.490617 °
DWR ID	DWR_RD0817_03_s_2017_11				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
More road base could be placed on the crown, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD0817\_14\_11\_20170503\_00036.jpg



View looking upstream of typical bare spots on the levee crown that need more aggregate base, Spring 2017.

LM Start	0.25	Rating **	M	Issue No.	17
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.987626 °	38.996896 °
				-121.506567 °	-121.491926 °
DWR ID	DWR_RD0817_03_f_2016_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual grasses need to be maintained. Spring 2017					

Photo 1 of 2 : SP\_2017\_RD0817\_14\_17\_20170503\_00033.jpg



View of annual grasses that need to be maintained on the waterside looking downstream. Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	0.25	Rating **	M	Issue No.	16 (cont)	
LM End	1.27	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.987626 °	38.996896 °	
				-121.506567 °	-121.491925 °	
DWR ID	DWR_RD0817_03_f_2016_16					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Annual grasses need to be maintained. Spring 2017.						

Photo 2 of 2 : SP\_2017\_RD0817\_14\_16\_20170316\_00008.jpg



View of annual grasses that need to be maintained on the landside looking downstream. Fall 2016.

LM Start	0.27	Rating **	M	Issue No.	21
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.987762 °	38.987762 °
				-121.506271 °	-121.506271 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50231 DS_ID:22949 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 06/30/2016 Vegetation has been cleared at outlet enough to allow the flapgate to open by half a foot. Recommend rechecking WS outlet prior to flood season to ensure no overgrowth. Dense vegetation at LS but pipe still functional. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)02/27/2013 Flap gate partially blocked by vegetation at outlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe through the levee, 19.5 feet below the crown. Flap gate and headwall (no headwall found in 2016) on waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 21+35). As-built dwg. 2-4-106, Sheet 2 (Station 21+35)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual. FS Date: 6/30/2016 9:02:00 AM					

Photo 1 of 3 : UCIP\_SP\_2017\_50231\_54271.jpg



Pipe at LS toe

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	0.27	Rating **	M	Issue No.	21 (cont)
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.987762 °	38.987762 °
				-121.506271 °	-121.506271 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50231  
DS\_ID:22949  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 06/30/2016 Vegetation has been cleared at outlet enough to allow the flapgate to open by half a foot. Recommend rechecking WS outlet prior to flood season to ensure no overgrowth. Dense vegetation at LS but pipe still functional. Crossing has been downgraded from Urgent to Non-Urgent. (K. Fazel - UCIP)02/27/2013 Flap gate partially blocked by vegetation at outlet. (G. Wylie - FPIIB) FIELD\_STRUCT\_DESC: 18-inch corrugated metal drainage pipe through the levee, 19.5 feet below the crown. Flap gate and headwall (no headwall found in 2016) on waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 21+35). As-built dwg. 2-4-106, Sheet 2 (Station 21+35)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual.  
FS Date: 6/30/2016 9:02:00 AM

LM Start	<b>0.27</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>0.27</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : UCIP\_SP\_2017\_50231\_54270.jpg



Outlet in brush at WS toe.

Photo 3 of 3 : UCIP\_SP\_2017\_50231\_54269.jpg



Flap gate blocked by vegetation on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	0.32	Rating **	U	Issue No.	8
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.988147 °	38.990621 °
				-121.505500 °	-121.500680 °
DWR ID	DWR_RD0784_06_f_2012_8				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense berry bushes and other wild growth along slope. Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD0817\_14\_8\_20170503\_00038.jpg



View of blackberry bushes that are taking over the landside slope looking downstream. Spring 2017.

LM Start	0.53	Rating **	M	Issue No.	4
LM End	0.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.989855 °	38.990621 °
				-121.502229 °	-121.500676 °
DWR ID	DWR_RD0817_03_s_2015_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim tree limbs for access and visibility. Spring 2017.					

Photo 1 of 2 : SP\_2017\_RD0817\_14\_4\_20170503\_00037.jpg



View looking downstream of trees that need limbs to be trimmed for access and visibility, Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	0.53	Rating **	M	Issue No.	4 (cont)	
LM End	0.63	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.989855 °		38.990621 °
				-121.502229 °		-121.500676 °
DWR ID	DWR_RD0817_03_s_2015_4					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						
Trim tree limbs for access and visibility. Spring 2017.						

Photo 2 of 2 : SP\_2017\_RD0817\_14\_4\_20170316\_00001.jpg



View of trees that need limbs to be trimmed for access and visibility, Fall 2016.

LM Start	0.53	Rating **	M	Issue No.	18
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.989855 °	38.991990 °
				-121.502228 °	-121.498536 °
DWR ID	DWR_RD0817_03_s_2017_18				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Black Berry bushes and other wild growth are taking over landside slope and need to be removed, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD0817\_14\_18\_20170503\_00035.jpg



View looking downstream of Black Berry bushes and other wild growth that are taking over the landside slope, Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	0.54	Rating **	U	Issue No.	23
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.989915 °	38.989915 °
				-121.502113 °	-121.502113 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50230  
DS\_ID:22950  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 06/30/2016 Holes still present through pipe on corroded landside (LS) end. Pipe still half full of debris as visible thru LS end. Good candidate for removal via DWR's Deferred Maintenance Program. WS vegetation cleared in the immediate vicinity of flapgate. Potential for overgrowth at WS end nevertheless imminent. Note that this pipe does not cause LS nuisance flooding per Tom Engler of MBK. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and failing at inlet an outlet. (G. Wylie - FPIIB)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 20.5 feet below the crown. Flap gate and headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 35+57). As-built drwg 2-4-106 Sheet 4 (Station 35+57)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual.  
FS Date: 6/30/2016 9:02:00 AM

LM Start	<b>0.54</b>	Rating **	U	Issue No.	<b>23 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP\_SP\_2017\_50230\_53849.jpg



Pipe on LS toe corroded through.

Photo 2 of 3 : UCIP\_SP\_2017\_50230\_53848.jpg



Pipe Heavily corroded throughout

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	0.54	Rating **	U	Issue No.	23 (cont)	
LM End	0.54	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.989915 °	38.989915 °	
				-121.502113 °	-121.502113 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50230 DS_ID:22950 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 06/30/2016 Holes still present through pipe on corroded landside (LS) end. Pipe still half full of debris as visible thru LS end. Good candidate for removal via DWR's Deferred Maintenance Program. WS vegetation cleared in the immediate vicinity of flapgate. Potential for overgrowth at WS end nevertheless imminent. Note that this pipe does not cause LS nuisance flooding per Tom Engler of MBK. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and failing at inlet an outlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 20.5 feet below the crown. Flap gate and headwall on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 35+57). As-built drwg 2-4-106 Sheet 4 (Station 35+57)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual. FS Date: 6/30/2016 9:02:00 AM						

Photo 3 of 3 : UCIP\_SP\_2017\_50230\_53847.jpg



Pipe no longer mounted to headwall at WS toe.

LM Start	0.55	Rating **	M	Issue No.	20
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.989976 °	38.990403 °
				-121.501970 °	-121.501110 °
DWR ID	DWR_RD0817_03_s_2017_20				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Trees and dense bushes need to be remove from levee slope, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD0817\_14\_20\_20170503\_00039.jpg



View looking downstream of trees and bushes that block the view of the levee slope, Spring 2017.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	0.68	Rating **	U	Issue No.	24
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.991062 °	38.991062 °
				-121.499886 °	-121.499886 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50232  
DS\_ID:22951  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 06/30/2016 Corrosion still present on WS end. Inlet box was replaced 5 years ago and appears to be functioning properly due to the presence of a screen that prevents debris blockage. Flap gate functions properly only sometimes. WS heavily vegetated. (K. Fazel - UCIP) 03/25/2013 Corrosion holes on WS toe and flap gate is blocked by debris. Flap gate broken. Inlet partially blocked at concrete inlet. (G. Wylie - FPIIB)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 20 feet below the crown. Flap gate and headwall on the waterside (WS). 56 by 34-inch concrete inlet box on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 43+17). As-built drwg. 2-4-106 Sheet 4 (Station 43+17)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual.  
FS Date: 6/30/2016 9:03:00 AM

LM Start	<b>0.68</b>	Rating **	U	Issue No.	<b>24 (cont)</b>
LM End	<b>0.68</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP\_SP\_2017\_50232\_53854.jpg



Pipe and flapgate at WS toe blocked by debris.

Photo 2 of 3 : UCIP\_SP\_2017\_50232\_53853.jpg



Holes in pipe at broken flapgate on WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	0.68	Rating **	U	Issue No.	24 (cont)
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.991062 °	38.991062 °
				-121.499886 °	-121.499886 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50232 DS_ID:22951 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 06/30/2016 Corrosion still present on WS end. Inlet box was replaced 5 years ago and appears to be functioning properly due to the presence of a screen that prevents debris blockage. Flap gate functions properly only sometimes. WS heavily vegetated. (K. Fazel - UCIP) 03/25/2013 Corrosion holes on WS toe and flap gate is blocked by debris. Flap gate broken. Inlet partially blocked at concrete inlet. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 20 feet below the crown. Flap gate and headwall on the waterside (WS). 56 by 34-inch concrete inlet box on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 43+17). As-built drwg. 2-4-106 Sheet 4 (Station 43+17)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual. FS Date: 6/30/2016 9:03:00 AM					

Photo 3 of 3 : UCIP\_SP\_2017\_50232\_53852.jpg



Improvised concrete inlet on LS toe.

LM Start	0.77	Rating **	M	Issue No.	19
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.991879 °	38.991879 °
				-121.498688 °	-121.498688 °
DWR ID	DWR_RD0817_03_f_2016_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim tree limbs for access and visibility. Spring 2017.					

Photo 1 of 2 : SP\_2017\_RD0817\_14\_19\_20170503\_00034.jpg



View of trees that need limbs to be trimmed for access and visibility, Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	0.77	Rating **	M	Issue No.	19 (cont)	
LM End	0.77	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.991879 °		38.991879 °
				-121.498688 °		-121.498688 °
DWR ID	DWR_RD0817_03_f_2016_19					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						
Trim tree limbs for access and visibility. Spring 2017.						

Photo 2 of 2 : SP\_2017\_RD0817\_14\_19\_20170316\_00010.jpg



View of trees that need limbs to be trimmed for access and visibility, Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	1.18	Rating **	U	Issue No.	26
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.995852 °	38.995852 °
				-121.493111 °	-121.493111 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50234  
DS\_ID:22952  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 06/30/2016 Same as last inspection. Good candidate for removal via DWR's Deferred Maintenance Program. Pipe used to drain pastureland which have since been converted to rice fields that drain on opposite side of fields, rendering the drainage function of this pipe obsolete. This pipe is not needed and causes nuisance flooding at high water on landside (LS) per Tom Engler of MBK. As such, operation of flapgate is still blocked via a post at WS end. Pipe is sleeved but sleeve has grossly deteriorated. LS end of pipe appears bent. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and damaged. 8-inch PVC pipe runs through pipe/possibly for irrigation. CMP heavily rusted on WS toe and debris blocking flap gate on WS toe. (G. Wylie - FPIIB) FIELD\_STRUCT\_DESC: \*ABANDONED\* 20-inch (not 18-inch as referenced in the O&M Manual) corrugated metal drainage pipe through the levee, 16.5 feet below the crown. 8-inch polyvinyl chloride (PVC) pipe sleeved through the 20-inch pipe with annular space left void. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 69+17). As-built drwg. 2-4-106 Sheet 4 (Station 69+17)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual.  
FS Date: 6/30/2016 9:06:00 AM

Photo 1 of 3 : UCIP\_SP\_2017\_50234\_53857.jpg



Pipe on LS toe with 8-inch PVC pipe sticking out.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	1.18	Rating **	U	Issue No.	26 (cont)
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.995852 °	38.995852 °
				-121.493111 °	-121.493111 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50234  
DS\_ID:22952  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 06/30/2016 Same as last inspection. Good candidate for removal via DWR's Deferred Maintenance Program. Pipe used to drain pastureland which have since been converted to rice fields that drain on opposite side of fields, rendering the drainage function of this pipe obsolete. This pipe is not needed and causes nuisance flooding at high water on landside (LS) per Tom Engler of MBK. As such, operation of flapgate is still blocked via a post at WS end. Pipe is sleeved but sleeve has grossly deteriorated. LS end of pipe appears bent. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and damaged. 8-inch PVC pipe runs through pipe/possibly for irrigation. CMP heavily rusted on WS toe and debris blocking flap gate on WS toe. (G. Wylie - FPIIB) FIELD\_STRUCT\_DESC: \*ABANDONED\* 20-inch (not 18-inch as referenced in the O&M Manual) corrugated metal drainage pipe through the levee, 16.5 feet below the crown. 8-inch polyvinyl chloride (PVC) pipe sleeved through the 20-inch pipe with annular space left void. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 69+17). As-built drwg. 2-4-106 Sheet 4 (Station 69+17)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual.  
FS Date: 6/30/2016 9:06:00 AM

Photo 2 of 3 : UCIP\_SP\_2017\_50234\_53856.jpg



Pipe cut behind flap gate on WS toe with 8-inch PVC.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	1.18	Rating **	U	Issue No.	26 (cont)
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.995852 °	38.995852 °
				-121.493111 °	-121.493111 °
DWR ID					

Comment Code

Inspector Comment

FS\_ID:50234  
DS\_ID:22952  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 06/30/2016 Same as last inspection. Good candidate for removal via DWR's Deferred Maintenance Program. Pipe used to drain pastureland which have since been converted to rice fields that drain on opposite side of fields, rendering the drainage function of this pipe obsolete. This pipe is not needed and causes nuisance flooding at high water on landside (LS) per Tom Engler of MBK. As such, operation of flapgate is still blocked via a post at WS end. Pipe is sleeved but sleeve has grossly deteriorated. LS end of pipe appears bent. (K. Fazel - UCIP)03/25/2013 Pipe heavily corroded and damaged. 8-inch PVC pipe runs through pipe/possibly for irrigation. CMP heavily rusted on WS toe and debris blocking flap gate on WS toe. (G. Wylie - FPIIB) FIELD\_STRUCT\_DESC: \*ABANDONED\* 20-inch (not 18-inch as referenced in the O&M Manual) corrugated metal drainage pipe through the levee, 16.5 feet below the crown. 8-inch polyvinyl chloride (PVC) pipe sleeved through the 20-inch pipe with annular space left void. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 69+17). As-built drwg. 2-4-106 Sheet 4 (Station 69+17)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual.  
FS Date: 6/30/2016 9:06:00 AM

Photo 3 of 3 : UCIP\_SP\_2017\_50234\_53855.jpg



Pipe heavily corroded throughout.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	1.28	Rating **	M	Issue No.	12
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997019 °	38.999719 °
				-121.491802 °	-121.490147 °
DWR ID	DWR_RD0784_06_f_2012_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation meeds to be maintained, Spring 2017.					

Photo 1 of 1 : SP\_2017\_RD0817\_14\_12\_20170316\_00003.jpg



View of annual grasses on the landside looking upstream.

LM Start	1.28	Rating **	M	Issue No.	14
LM End	1.50	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997019 °	38.999719 °
				-121.491802 °	-121.490147 °
DWR ID	DWR_RD0784_06_f_2012_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
This levee section needs an all weather surface added to the crown and annual grasses removed. Spring 2017.					

Photo 1 of 2 : SP\_2017\_RD0817\_14\_14\_20170316\_00005.jpg



View of the vegetation on the crown of the levee looking upstream.

LM Start	<b>1.28</b>	Rating **	M	Issue No.	<b>14 (cont)</b>
LM End	<b>1.50</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP\_2017\_RD0817\_14\_14\_20170316\_00006.jpg



View of the vegetation on the crown of the levee looking upstream. Fall 2016.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	1.28	Rating **	M	Issue No.	13
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997019 °	38.999719 °
				-121.491802 °	-121.490148 °
DWR ID	DWR_RD0784_06_f_2012_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual grass still needs to be maintained. Spring 2017					

Photo 1 of 1 : SP\_2017\_RD0817\_14\_13\_20170316\_00004.jpg



Fall 2016 View of waterside looking upstream.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	1.29	Rating **	U	Issue No.	27
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.997048 °	38.997048 °
				-121.491743 °	-121.491743 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50235  
DS\_ID:22953  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 06/30/2016 Sink hole still exists over pipe on LS. LS and WS heavily vegetated and barely accessible. WS end is sleeved with a heavily rusted CMP. Flapgate is clear and functional. (K. Fazel - UCIP)12/17/2015 WS accessible, but LS no longer accessible due to heavy vegetation. (T. Hatch - UCIP)03/25/2013 Pipe visible on LS at toe of roadway embankment, but not visible on WS. Possible sinkhole over pipe at LS toe. Pipe heavily rusted. (G. Wylie - FPIIB)  
FIELD\_STRUCT\_DESC: 18-inch corrugated metal drainage pipe (CMP) angled through the levee, approximately 15 feet below the crown. Steel pipe sleeved through the CMP with annular space grouted (grout only on the waterside (WS)). Flap gate on the WS end. Pipe alignment is from the west of the intersection of 40 Mile Road and 45 degrees to the WS. Outlet is on the eastern side of 40 Mile Rd (looking upstream).  
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 74+72). As-built drwg. 2-4-106 Sheet 4 (Station 74+72)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual.  
FS Date: 6/30/2016 9:08:00 AM

LM Start	1.29	Rating **	U	Issue No.	27 (cont)
LM End	1.29	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP\_SP\_2017\_50235\_53859.jpg



Pipe at inlet on LS toe.

Photo 2 of 3 : UCIP\_SP\_2017\_50235\_53858.jpg



Sinkhole or animal burrow over pipe on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2017

### Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	05/02/2017 05/02/2017	Sterling York

LM Start	1.29	Rating **	U	Issue No.	27 (cont)	
LM End	1.29	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.997048 °		38.997048 °
				-121.491743 °		-121.491743 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50235 DS_ID:22953 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 06/30/2016 Sink hole still exists over pipe on LS. LS and WS heavily vegetated and barely accessible. WS end is sleeved with a heavily rusted CMP. Flapgate is clear and functional. (K. Fazel - UCIP)12/17/2015 WS accessible, but LS no longer accessible due to heavy vegetation. (T. Hatch - UCIP)03/25/2013 Pipe visible on LS at toe of roadway embankment, but not visible on WS. Possible sinkhole over pipe at LS toe. Pipe heavily rusted. (G. Wylie - FPIIB) FIELD_STRUCT_DESC: 18-inch corrugated metal drainage pipe (CMP) angled through the levee, approximately 15 feet below the crown. Steel pipe sleeved through the CMP with annular space grouted (grout only on the waterside (WS)). Flap gate on the WS end. Pipe alignment is from the west of the intersection of 40 Mile Road and 45 degrees to the WS. Outlet is on the eastern side of 40 Mile Rd (looking upstream). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 145, 1955 (Station 74+72). As-built drwg. 2-4-106 Sheet 4 (Station 74+72)]. Due to a recent change in the levee alignment, this pipe is no longer in Unit 6, RD0784. Nevertheless, this pipe's original references remain the RD0784 Levee Log and RD0784 USACE O&M Manual. FS Date: 6/30/2016 9:08:00 AM						

Photo 3 of 3 : UCIP\_SP\_2017\_50235\_74804.jpg



WS drainage outlet with flap gate. Steel pipe is sleeved within heavily rusted CM pipe near daylight to embankment

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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